



# PAEDIATRIC REFRESHER COURSE 2010

Paediatric Critical Care & Child & Adolescent Mental Health

## ACADEMIC PROGRAMME

**Tuesday 9 February**

**08h30 – 13h00, 14h00 – 17h00 All Day Workshop: Paediatric & Neonatal Ventilation**

**– Camphor A**

**Co-ordinated by – Peter Rimensberger**

Relevant lung mechanics for mechanical ventilation: Control and assist modes: Concepts and strategies for lung protective ventilation.

Understanding lung recruitment and the Open Lung Concept: Rationale for clinical use of HFO ventilation: Use of respiratory monitoring for improving mechanical ventilation.

**08h30 – 13h00 Morning Workshop 1: Abdominal Emergencies in Children**

**– Camphor B**

**Co-ordinated by – Alastair Millar & Alp Numanoglu**

08h00 – 08h20 Registration

08h20 – 08h30 Welcome – *Professor Alastair Millar*

08h30 – 08h55 Abdominal Trauma – *Professor Sebastian van As*

08h55 – 09h20 Appendicitis – *Dr. Richard Wood*

09h20 – 09h45 Abdominal Tuberculosis – *Professor Daniel Sidler*

09h45 – 10h10 Abdominal compartment syndrome – *Dr. Chris Westgarth-Taylor*

10h10 – 10h40 **REFRESHMENT BREAK**

10h40 – 11h05 Liver: Worms, Abscess, Malignancy, Hemangiomas – *Professor Alastair Millar*

11h05 – 11h30 Vomiting infants: Malrotation/intussusception/Hypertrophic pyloric stenosis – *Professor Alp Numanoglu*

11h30 – 11h55 NEC, Haemorrhagic disease of newborn, perforations in Neonates – *Dr. Sharon Cox*

11h55 – 12h20 Radiology: Abdominal imaging in ICU – *Dr. Tracey Kilborn*

12h20 – 12h45 Burns – *Professor Heinz Rode*

12h45 – 13h00 **CLOSURE**

## Wednesday 10 February

08h00 – 08h30 Registration – *Andrew Argent & Alan Flisher*

08h30 – 09h00 Welcome – *Alan Flisher*

**09h00 – 11h00 Session 1**

**– Camphor Room**

**Chair: Heather Zar**

Caring for the child or adolescent with a life-threatening illness – The critical care perspective – *Andrew Argent*

Caring for the family of a child or adolescent with a life-threatening illness –

The psychiatrist's perspective – *Paula Rauch (USA)*

Emergency care for children at all levels – *Lee Wallis*

Where does child psychiatry fit into paediatric practice? – *Alan Flisher*

11h00 – 11h30 **REFRESHMENT BREAK**

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**Wednesday 10 February**

**11h30 – 13h00 Session 2**

**– Camphor Room**

**Chair: *Louis Reynolds***

Acute severe asthma – What is the best approach to management? – *Sharon Kling*

Severe pneumonia – Current guidelines to management – *Robbie Gie*

Anaesthesia (as done by paediatricians) for emergency intubation of neonates and children – *Jenny Thomas*

The place of physiotherapy in managing the child with severe respiratory disease – *Brenda Morrow*

13h00 – 14h00 **LUNCH**

**14h00 – 15h40 Session 3**

**– Camphor Room**

**Chair: *Andrew Argent***

Ventilating the neonate or child. What do I need to take into account when ventilating a child or a neonate?

How do I ventilate a child or a neonate? – *Peter Rimensberger*

15h40 – 16h00 **REFRESHMENT BREAK**

**16h00 – 17h30 Session 4**

**– Camphor Room**

**Chair: *TBC***

Workshop: Psychiatric health in the PICU caring for staff who manage critically ill patients / Avoiding burnout for carers

– *Alan Flisher*

– *Carla Brown*

– *Andrew Argent*

– *Sharon Kling*

– *Paula Rauch (USA)*

– *Peter Rimensberger*

## Thursday 11 February

**07h30 – 08h30 Breakfast Symposium**

**– Camphor Room**

**Chair: *Mike Hendricks***

Feeding very sick children – What do they need and how can we be sure they get it?

– *Andrew Argent, Liz Goddard*

10h30 – 11h00 **REFRESHMENT BREAK**

**08h30 – 10h30 Session 1**

**– Camphor Room**

**Chair: *TBC***

• Giving bad news to families – how do we optimize the process?

• The 'distracted parent' – how to provide care and enable 'coping'

– *Psychiatry and PICU Team Members*

• Coping with the psychiatric aftermath of intensive care

• Bereavement

– *Carla Brown & Psychiatry*

10h30 – 11h00 **REFRESHMENT BREAK**

## Thursday 11 February

11h00 – 13h00 **Session 2: Workshop**

– Camphor Room

Chair: *TBC*

Communicating with children and adolescents, Infants (and their caregivers)

- Children
- Adolescents
- *Astrid Berg*
- *Brian Robertson*
- *Marian Campbell*
- *Paula Rauch (USA)*

13h00 – 14h00 **LUNCH**

14h00 – 15h30 **Session 3**

– Camphor Room

Chair: *Sharon Kling*

Handing over medical care of adolescents to adult teams safely – *Mignon McCulloch*

Planning for the care of the long-stay patient – Gullain Barre as a possible Case Study – *Zander Jacquire, Louis Reynolds*

15h40 – 16h00 **REFRESHMENT BREAK**

16h00 – 17h30 **Session 4**

– Camphor Room

Chair: *TBC*

Psychopharmacology for children and adolescents

- *Paula Rauch (USA)*
- *Alan Flischer*

## Friday 12 February

07h30 – 08h30 **Breakfast Symposium**

– Boardroom

Chair: *TBC*

Imaging for the critically ill child – what should paediatricians be doing, and what must be left to the “expert”

– *Dick Pitcher, John Lawrensons*

07h30 – 08h30 **First Session**

– Camphor Room

Chair: *Pierre Goussard*

Cardiopulmonary resuscitation – what is new? What works? – *Shamiel Salie*

Status epilepticus – what are the protocols, how should we monitor these children? – *Jo Wilmshurst*

Managing fluids in the critically ill – *Andrew Argent*

Monitoring the brain – what helps, what is worthwhile? – *Tony Figaji*

10h30 – 11h00 **REFRESHMENT BREAK**

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## ACADEMIC PROGRAMME

**Friday 12 February**

**11h00 – 13h00 Second Session**

**– Camphor Room**

**Chair: Robbie Gie**

Diagnosis and management of shock – *Beyra Rossouw*  
Blood products in the critically ill – what to use and when – *Shamuel Salie*  
Severe sepsis in infants and children – *Andrew Argent*  
Severe viral infections in childhood – new diagnostic and therapeutic strategies – *Brian Eley*

**13h00 – 14h00 LUNCH**

**14h00 – 15h30 Session 3**

**– Camphor Room**

**Chair: TBC**

Children with problems at school – *Bernice Castle*  
Managing behavioural problems – *Sue Hawkridge*  
Management of substance misuse in adolescence – *Don Wilson and Drug Counselling Group*

**15h40 – 16h00 REFRESHMENT BREAK**

**16h00 – 17h30 Session 4: Ethics Workshop**

**– Camphor Room**

**Chair: Alan Fisher**

### **Ethical dilemmas in paediatric critical care**

- Should I embark on this therapy (deciding if therapy is in this child's best interests) – *Sharon Kling*
- Who should get the bed (allocating scarce resources) – *Andrew Argent*
- Is it time to limit interventions or even withdraw organ support systems – *Louis Reynolds*

**Saturday 13 February**

**07h30 – 08h30 Note: Morning workshop at the Red Cross War Memorial Children's Hospital**

**Chair: TBC**

Issues in ventilation of perioperative cardiac patients – Peter Rimensberger

- Do not forget basic respiratory mechanics when ventilating the cardiac patient
- Concepts and strategies for lung protective ventilation
- Myths and facts about cardio pulmonary interactions
- Potential Additional Topics: Acute renal failure – diagnosis and management